

## Search report

File 350:Derwent WPIX 1963-2001/UD,UM &UP=200136

(c) 2001 Derwent Info Ltd

File 347:JAPIO OCT 1976-2001/Feb (UPDATED 010604)

(c) 2001 JPO & JAPIO

Set	Items	Description
S1	1607404	DOCUMENT? OR CHECK? ? OR CHEQUE? ? OR INSTRUMENT? OR MONETARY() TRANSACTION? OR MONEY() ORDER?
S2	161	S1(5N) (ATM OR (TELLER? OR TRANSACTION? OR BANK?) () (MACHINE? OR TERMINAL?) OR KIOSK?)
S3	14	S2(5N) (CASH OR CASHES OR CASHING OR CASHED)
S4	10	S3 AND (REMIT? OR DEPOSIT? OR DISPENS? OR TRANSFER? OR WIRE OR MONEY() ORDER? OR TOUCHSCREEN? OR TOUCH() SCREEN?)
S5	2	S3 AND (SIGNATURE? OR ENDORS? OR SIGNED OR BIOMETRIC? OR I-RIS? OR RETINA? OR FINGER() PRINT? OR FINGERPRINT? OR VOICE OR FACIAL OR FACE OR HAND)
S6	3	S2 AND (BILL OR BILLS) (2N) (PAY? OR PAID OR PAYMENT)
S7	14989	(IMAGE OR IMAGES) (5N) (VALID? OR VERIFY? OR EVALUAT? OR SUBSTANTIAT? OR CONFIRM? OR AUTHENTIC? OR ANALYS? OR ANALYZ? OR ANALYT?)
S8	14	S3 OR S4 OR S5 OR S6
S9	1	S2 AND S7
S10	14	S8 OR S9

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10/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013010934 \*\*Image available\*\*

WPI Acc No: 2000-182786/200016

XRPX Acc No: N00-134752

**Automatic teller machine cash dispensing documents handling for operating without aid of teller by evaluating biometric data from user against stored biometric data relative to user**

Patent Assignee: CAPITAL SECURITY SYSTEMS INC (CAPI-N)

Inventor: GUSTIN R H; LIVINGSTON T W; PARK N; SHEKOORY N

Number of Countries: 086 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200005667	A2	20000203	WO 99US15446	A	19990708	200016 B
AU 9948678	A	20000214	AU 9948678	A	19990708	200029
EP 1095350	A2	20010502	EP 99932355	A	19990708	200125
			WO 99US15446	A	19990708	

Priority Applications (No Type Date): US 98113913 A 19980710

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200005667 A2 E 184 G06F-017/60

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

AU 9948678 A G06F-017/60 Based on patent WO 200005667

EP 1095350 A2 E G06F-017/60 Based on patent WO 200005667

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

**Automatic teller machine cash dispensing documents handling for operating without aid of teller by evaluating biometric data from user against stored biometric data relative to user**

Abstract (Basic):

... The method involves taking **biometric** data from a user at a machine. The **biometric** data from the user is evaluated against stored **biometric** data relative to the user for qualifying the user prior to dispensing cash to the user.

... a) a method for automated banking for dispensing cash to a system user without a teller...

...b) an automated machine for automated document handling system for making bank **deposits** with a monetary documents...

...c) an automated banking system for receiving cash from a user and for dispensing cash to user...

...d) a system for automatic cashing of checks or making **remittance** transactions without the aid of bank teller...

...to the document, and to the bank parameters and rules that cash can be securely **dispensed** to the user as a result of the cashing of payroll or third party **remittances** or the **paying** of bills. The confidence levels should be such as would normally be achieved or approach those in...

...biometric recognition engine (1029B...

...biometric characteristic input (1029A

...Title Terms: **DISPENSE** ;

10/3,K/2 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012275360 \*\*Image available\*\*

WPI Acc No: 1999-081466/199907

XRPX Acc No: N99-058555

Document reading system for extended banking facilities - has document reader for cheques and money orders allowing cashing of cheques, payment of bills and transfers of money

Patent Assignee: CAPITAL SECURITY SYSTEMS INC (CAPI-N)

Inventor: GUSTIN R H; LIVINGSTON T W; PARK N

Number of Countries: 082 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9859308	A1	19981230	WO 98US10788	A	19980527	199907 B
AU 9876978	A	19990104	AU 9876978	A	19980527	199921
US 5897625	A	19990427	US 97866139	A	19970530	199924
US 5987439	A	19991116	US 97865691	A	19970530	200001
US 6012048	A	20000104	US 97866140	A	19970530	200008
EP 992012	A1	20000412	EP 98924920	A	19980527	200023
			WO 98US10788	A	19980527	

Priority Applications (No Type Date): US 97866140 A 19970530; US 97865691 A 19970530; US 97866139 A 19970530

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9859308 A1 E 133 G06F-017/60

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

EP 992012 A1 E G06F-017/60 Based on patent WO 9859308

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

AU 9876978 A G06F-017/60 Based on patent WO 9859308

US 5987439 A G06F-017/60

US 6012048 A G06F-017/60

US 5897625 A G06F-017/60

... has document reader for cheques and money orders allowing cashing of cheques, payment of bills and transfers of money

...Abstract (Basic): additional features. The machine has a scanner (58) that can obtain images of cheques or bills to be paid. Conventional magnetic and/or smart card readers (22), and cash dispensers (30) are provided. Facilities (87-89) are provided to dispense various money items, e.g. smart cards, stamps, tickets...

...In addition to normal ATM services, the machine can scan cheques and provide cash payment of the cheque. Bills can be scanned and payment

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made from smart cards or...

...Title Terms: **TRANSFER** ;

**10/3,K/3 (Item 3 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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012231154 \*\*Image available\*\*

WPI Acc No: 1999-037261/199904

XRPX Acc No: N99-028103

Reader and/or writer apparatus in communication system - has spiral or coil antenna for generating electromagnetic field to supply integrated circuit card and transmit signals to reader/writer apparatus

Patent Assignee: HITACHI LTD (HITA); KOKUSAI ELECTRIC CO LTD (KOKZ); KOKUSAI DENKI KK (KOKZ); HAYASHI Y (HAYA-I); IGARASHI K (IGAR-I); SUGA T (SUGA-I); UESAKA K (UESA-I); YOSHINO R (YOSH-I)

Inventor: HAYASHI Y; IGARASHI K; SUGA T; UESAKA K; YOSHINO R

Number of Countries: 027 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 886232	A2	19981223	EP 98111200	A	19980618	199904 B
JP 11088036	A	19990330	JP 98172477	A	19980619	199923
US 6194993	B1	20010227	US 98100325	A	19980619	200114
US 20010000659	A1	20010503	US 98100325	A	19980619	200126
			US 2000742079	A	20001222	

Priority Applications (No Type Date): JP 97164759 A 19970620

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 886232	A2	E	21	G06K-007/08	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

JP 11088036	A	14	H01Q-007/00
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US 6194993	B1		H04Q-005/22
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US 20010000659	A1		H04Q-005/22	Cont of application US 98100325 Cont of patent US 6194993
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...Abstract (Basic): circuits (212,216) and a microcomputer (214) with a built-in memory for processing and **transfer** of data and for receiving power from a power supply circuit. If the antenna is...

...USE - Communications with **cash dispensers**, ATM, automatic ticket check system, room entry management system and pay telephone...

**10/3,K/4 (Item 4 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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011932247 \*\*Image available\*\*

WPI Acc No: 1998-349157/199831

XRPX Acc No: N98-272472

Automated computer approved check cashing system e.g. for cashing authorised from assigned payee - has assigned payee can cash authorised negotiable instrument, by reading specified data from instrument with its magnetic content as applicable by obtaining data from customer's keyboard entry and reading data from patron card

Patent Assignee: SHAH D V (SHAH-I)

Inventor: SHAH D V

## Search report

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2211811	A	19980221	CA 2211811	A	19970821	199831 B
US 6129273	A	20001010	US 9624268	A	19960821	200052
			US 97915903	A	19970821	
			US 98161582	A	19980928	

Priority Applications (No Type Date): US 9624268 A 19960821; US 97915903 A 19970821; US 98161582 A 19980928

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2211811	A	16		G06F-017/60	
US 6129273	A			G06K-005/00	Provisional application US 9624268
					CIP of application US 97915903

...Abstract (Basic): banking information and to check the magnetic ink content from the MICR line. A cash **dispenser** **dispenses** currency and coins for approval to the instrument. A main computer is preprogrammed to receive...

...reader/checker, to get approval of an acceptance of the instrument and drive the cash **dispenser** upon approval...

...ADVANTAGE - Provides means to cash authorised negotiable instruments to assigned payee' through automated computer approved. **Checks** **cashing** system similar to bank **teller** **machine** that provides **cash** from customer's account as well as accepts unscreened packages through provided slots...

10/3,K/5 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011885634 \*\*Image available\*\*

WPI Acc No: 1998-302544/199827

XRPX Acc No: N98-237120

Automatic cash transaction machine with cheque issue function for financial institution e.g. bank - includes delivery unit which issues next cheque immediately after issue of previous cheque, without waiting for validation result from validation unit

Patent Assignee: HITACHI LTD (HITA )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10105797	A	19980424	JP 96258281	A	19960930	199827 B

Priority Applications (No Type Date): JP 96258281 A 19960930

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10105797	A	7		G07D-013/00	

Automatic cash transaction machine with cheque issue function for financial institution e.g. bank...

10/3,K/6 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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010901818 \*\*Image available\*\*

WPI Acc No: 1996-398769/199640

XRPX Acc No: N96-336050

**Cash monitoring method for cash handling appts. e.g. automated teller machine - by exhibiting accumulated totals of available cash in each group of automated teller machines on display screen of display device**

Patent Assignee: OKI ELECTRIC IND CO LTD (OKID )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8194759	A	19960730	JP 956675	A	19950119	199640 B

Priority Applications (No Type Date): JP 956675 A 19950119

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8194759	A	6		G06F-019/00	

JP 8194759 A 6 G06F-019/00

...Abstract (Basic): USE/ADVANTAGE - For e.g. store and bank. Monitors available cash in numerous automated teller machines without having to manually check each ATM and so reduces workload of operator...

10/3,K/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010180381 \*\*Image available\*\*

WPI Acc No: 1995-081634/199511

XRPX Acc No: N95-064645

**Human facial features based identification and verification system - has device for retrieving human facial image projections character from user device**

Patent Assignee: NEURNETICS LTD (NEUR-N)

Inventor: ARNDT C M; DEBAN A F; TUMEY D M; XU T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5386103	A	19950131	US 9387657	A	19930706	199511 B

Priority Applications (No Type Date): US 9387657 A 19930706

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5386103	A	12		G06F-015/30	

US 5386103 A 12 G06F-015/30

Human facial features based identification and verification system...

...has device for retrieving human facial image projections character from user device

...Abstract (Basic): The system includes user device for presenting and storing human facial image projection character, device for retrieving the human facial image projection character from user device and capable of manipulation of the projection character to produce an output signal indicative of a human facial feature for use in verification of the user...

...The retrieving device includes universal face space memory indicative of facial features for a non-homogeneous population and the device

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generates an output signal by projecting the human **facial** image projection character into the universal **face** space memory...

...USE/ADVANTAGE - In automated banking system, e.g. for **cashing** e.g. **checks** where user operates automated **teller** machine, in cooperation with manned teller post participating in verification process of customer or for controlling...

...Title Terms: **FACE** ;

10/3,K/8 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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00478093

WPI Acc No: 1986-291434/198644

XRPX Acc No: N86-217594

**Teller-assisted, customer-operated ATM document cashing system - presents image of check to display at teller station and decision is implemented by actuation of function key**

Patent Assignee: NCR CORP (NATC )

Inventor: GRANZOW R H; MYERS K I

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4617457	A	19861014	US 83562786	A	19831219	198644 B

Priority Applications (No Type Date): US 83562786 A 19831219

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4617457	A		14		

**Teller-assisted, customer-operated ATM document cashing system...**

...Abstract (Basic): a computer for storing data associated with users. A machine performs financial transactions including the **dispensing** of cash. The machine identifies a user and entering data including the monetary amt. about...

...The received document is movable into operative relationship with the **image** data generator. An **evaluator** enables a teller in the system to evaluate the document and the user, and includes...

10/3,K/9 (Item 9 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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004780945

WPI Acc No: 1986-284286/198643

XRPX Acc No: N86-212242

**Automatic teller machine with bill transaction issue feature - uses same bill inserted in slot for payment from specific account, for printing of receipt data for return to user**

Patent Assignee: ANONYMOUS (ANON )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
TP 98603	A	19860925	TP 8698603	A	19860920	198643 B

Search report

Priority Applications (No Type Date): TP 8698603 A 19860920

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
TP 98603	A		1		

...Abstract (Basic): In an Automated **Teller Machine (ATM)** with **check deposit /cashing** mechanism, a programming change creates a **bill payment** feature in which the bill is imprinted and returned to the user as a receipt...

...An **ATM** with **check deposit /cashing** capability includes a printed which prints transaction data on the check inserted by the user, and then places the check in a **repository**. This mechanism has the ability to back out an inserted check through the insertion slot...

...is readily apparent that reprogramming to make use of this back out capability creates a **bill paying** feature in which the user requests that a **bill be paid** from a specific valid account and inserts the bill in the **check** slot. The **ATM** feeds the bill in to the print station, carries out the transaction, prints receipt data...

...to the user. The transition is the same as has been utilised for ATM account **transfers** for **bill paying** application, with the added advantage of giving the user payment verification on the bill itself.

...Title Terms: **DISPENSE**

10/3,K/10 (Item 10 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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004603108

WPI Acc No: 1986-106452/198616

XRPX Acc No: N86-078239

**Teller-assisted, customer-operated ATM cheque cashing system - uses data entered by customer and scan read to access stored data used to evaluate cheque negotiability**

Patent Assignee: NCR CORP (NATC )

Inventor: FILLIMAN M D; GRANZOW R H; MYERS K L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4580040	A	19860401			198616	B

Priority Applications (No Type Date): US 83538718 A 19831003

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4580040	A		13		

**Teller-assisted, customer-operated ATM cheque cashing system...**

...Abstract (Basic): The system has a machine which performs financial transactions including **dispensing** of cash. The machine identifies a user of the machine and information about the cheque...

...device to enable data entered at the machine to be displayed and to initiate the **dispensing** of cash upon satisfactory evaluation of cheque and user...

10/3,K/11 (Item 11 from file: 350)

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DIALOG(R)File 350:Derwent WPIX  
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002156070  
WPI Acc No: 1979-H6012B/197936

**Automatic cash dispensing machine - uses terminal data storage and enables access to master data storage when customer identification card data is cleared**

Patent Assignee: IBM CORP (IBMC )

Inventor: ANDERSON R W; BROCK S F; GEE M L

Number of Countries: 010 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 3756	A	19790905				197936 B
US 4186871	A	19800205				198007
CA 1103352	A	19810616				198129
EP 3756	B	19810916				198139
DE 2960795	G	19811203				198150
IT 1164986	B	19870422				198934

Priority Applications (No Type Date): US 78882529 A 19780301

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 3756 A E

Designated States (Regional): BE CH DE FR GB NL SE

EP 3756 B E

Designated States (Regional): BE CH DE FR GB NL SE

**Automatic cash dispensing machine...**

...Abstract (Basic): A transaction execution system is for use, e.g. at a **cheque cashing** machine. It includes a **transaction terminal** (1) for approval of a transaction and a host data processing system (11) in communication...

...Title Terms: **DISPENSE** ;

10/3,K/12 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03928091 \*\*Image available\*\*

CARRIER LINE CHECK METHOD FOR AUTOMATIC CASH TRANSACTION MACHINE

PUB. NO.: 04-293191 [JP 4293191 A]

PUBLISHED: October 16, 1992 (19921016)

INVENTOR(s): SATO CHIE

WADA MASAHIKO

AWAZU KIYOTAKA

APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 03-082018 [JP 9182018]

FILED: March 20, 1991 (19910320)

JOURNAL: Section: P, Section No. 1495, Vol. 17, No. 105, Pg. 12, March 03, 1993 (19930303)

CARRIER LINE CHECK METHOD FOR AUTOMATIC CASH TRANSACTION MACHINE

ABSTRACT

... without generating trouble to a customer, with regard to the carrier

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line check method for **transferring** out a sheet to the discharge path and checking a carrier line, with respect to...  
...money, a message sheet 1 on which a message to a customer is printed is **transferred** out of the sheet housing part 37, carried through a paper money discharge path of...

10/3,K/13 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03871591 \*\*Image available\*\*  
AUTOMATIC TELLER MACHINE

PUB. NO.: 04-236691 [JP 4236691 'A']  
PUBLISHED: August 25, 1992 (19920825)  
INVENTOR(s): ODA AKIYOSHI  
WADA MASAHIKO  
AWAZU KIYOTAKA  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 03-004629 [JP 914629]  
FILED: January 18, 1991 (19910118)  
JOURNAL: Section: P, Section No. 1464, Vol. 17, No. 4, Pg. 42, January  
06, 1993 (19930106)

ABSTRACT

PURPOSE: To obtain the automatic **teller machine**, equipped with a detailed **check** function for working **cash**, which eliminates the need to pay attention to an appendage of a slip while shortening...

10/3,K/14 (Item 3 from file: 347)  
DIALOG(R)File 347:JAPIO  
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02753976 \*\*Image available\*\*  
AUTOMATIC CUSTOMER PROPERTY RETURNING SYSTEM AT THE TIME OF TROUBLE

PUB. NO.: 01-051576 [JP 1051576 A]  
PUBLISHED: February 27, 1989 (19890227)  
INVENTOR(s): MATSUMOTO SATORU  
NISHIBORI KENJI  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
KANSAI NIPPON DENKI SOFTWARE KK [490843] (A Japanese Company  
or Corporation), JP (Japan)  
APPL. NO.: 62-208534 [JP 87208534]  
FILED: August 21, 1987 (19870821)  
JOURNAL: Section: P, Section No. 883, Vol. 13, No. 253, Pg. 113, June  
13, 1989 (19890613)

ABSTRACT

...CONSTITUTION: At the time of the trouble of the CD (**cash dispenser**) or the **ATM** (automatic teller), when the **check** of the propriety of the customer according to an interaction consisting of three types of.